

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named  
Inventor:

Yi Lu

Serial No.: 10/756,825

Group Art Unit No. 1637

Filing Date: January 13, 2004

Examiner: Suchira Pande

Title: BIOSENSORS BASED ON DIRECTED  
ASSEMBLY OF PARTICLES

Confirmation No.: 3704

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicants request that citation and examination of the references identified on the attached Form PTO-1449, required copies of which are enclosed herewith in accordance with 37 C.F.R. §1.98, be made during the course of examination of the above-referenced application for United States Letters Patent.

Since this Information Disclosure Statement is being submitted after the mailing of the first Office Action, payment of the fee set forth in 37C.F.R. §1.17(p) accompanies this submission.

**- Payment by credit card.**

Respectfully submitted,



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Form PTO-1449 (Rev. 8-88)	Attorney Docket No. ILL05-041-US	Serial No. 10/756,825
<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)	Applicant: Yi Lu	
	Filing Date: January 13, 2004	Group: 1637

U.S. PATENT DOCUMENTS							
Examiner Initials*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Z19	7,192,708	03/2007	Lu et al.			
	Z20	6,316,194	11/2001	Karn et al.			
	Z21	2005/0282186	12/2005	Lu et al.			
	Z22	2006/0166222	07/2006	Lu et al.			
	Z23	2006/0094026	05/2006	Lu et al.			
	Z24	2007/0037171	02/2007	Lu et al.			
	Z25	6,849,414	02/2005	Guan et al.			
	Z26	4,855,240	08/1989	Rosenstein et al.			
	Z27	4,703,017	10/1987	Campbell et al.			
	Z28	6,818,455	11/2004	May et al.			
	Z29	6,485,982	11/2002	Charlton			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	Y24	WO 01/23548	04/2001	WO				
	Y25	WO 05/100602	10/2005	WO				
	Y26	WO 06/078660	07/2006	WO				
	Y27	WO 06/052419	05/2006	WO				

OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*		Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X361	Frauendorf, C., et al., "Detection of small organic analytes by fluorescing molecular switches", Bioorganic & Medicinal Chemistry, vol. 9, pp. 2521-2524, (2001).
	X362	Glynou, K., et al., "Oligonucleotide-functionalized gold nanoparticles as probes in a dry-reagent strip biosensor for DNA analysis by hybridization", Anal. Chem, vol. 75, no. 16, pp. 4155-4160, (2003).

Examiner	Date Considered
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Examiner Initials*		OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	X363	Liu, J., et al., "Optimization of a Pb <sup>2+</sup> -directed gold nanoparticle/DNAzyme assembly and its application as a colorimetric biosensor for Pb <sup>2+</sup> ", Chem. Mater., vol. 16, no. 17, pp. 3231-3238, (2004).
	X364	Jones, K.D., et al., "Anniversary Essays, 3. Assay development, Changes in the development of rapid assays since 1995", Medical DeviceLink, found at: <a href="http://www.deviceLink.com/ivdt/archive/05/04/005.html">http://www.deviceLink.com/ivdt/archive/05/04/005.html</a> , 3 pages, (2005).
	X365	Product Description: Pall Corporation, "Immunochromatographic, lateral flow or strip tests development ideas", found at: <a href="http://www.pall.com/34445_4154.asp">http://www.pall.com/34445_4154.asp</a> , 7 pages, (1998).
	X366	Liu, J., et al., "Fast colorimetric sensing of adenosine and cocaine based on a general sensor design involving aptamers and nanoparticles", Angew. Chem. Int. Ed., vol. 45, pp. 90-94, (2006).
	X367	Liu, J., et al., "A simple and sensitive "dipstick" test in serum based on lateral flow separation of aptamer-linked nanostructures", Angewandte Chemie International Edition, vol. 45, pp. 7955-7959, (2006).

Examiner	Date Considered
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